Converting Colors

RYB(121, 172, 146)

Have a look what the booklet for RYB(121, 172, 146) contains.

Color

RYB(121, 172, 146)

Conversions

Conversions Part 1

Format	Color
Hex	93AC79
RGB	147, 172, 121
RGB Percent	58%, 67%, 47%
CMY	0.4235, 0.3255, 0.5255
CMYK	0.15, 0.00, 0.30, 0.33
HSL	89°, 24%, 57%
HSV	89°, 30%, 67%
XYZ	30.2363, 37.0886, 23.6543
YIQ	158.7110, 1.4710, -21.1610

Conversions

Conversions Part 2

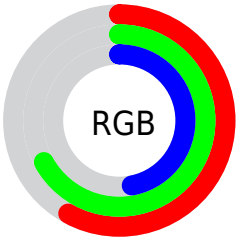
Format	Color
RYB	121, 172, 146
Decimal	9677945
CIELab	67.34, -17.91, 23.47
CIELCh	67, 29.522, 127.360
Yxy	37.0886, 0.3323, 0.4077
Android (android.graphics.Color)	4287868025 (0xFF93AC79)
YUV	158.7110, -18.5915, -10.2705
Hunter-Lab	60.9004, -17.9525, 19.6014

Details

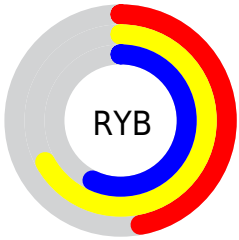
The RYB color 121, 172, 146 is a dark color, and the websafe version is hex 999966. A complement of this color would be 146, 121, 172, and the grayscale version is 159, 159, 159.

A 20% lighter version of the original color is 174, 227, 200, and 72, 120, 96 is the 20% darker color. If you saturate the color by 10%, you get 104, 172, 137, and if you desaturate by 10%, it is 138, 172, 155.

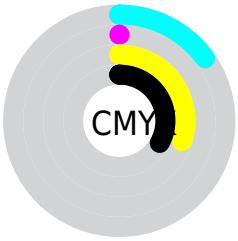
Distribution



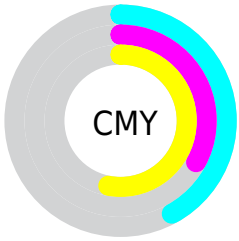
- Red (58%)
- Green (67%)
- Blue (47%)



- Red (47%)
- Yellow (67%)
- Blue (57%)



- Cyan (15%)
- Magenta (0%)
- Yellow (30%)
- Black (33%)



- Cyan (42%)
- Magenta (33%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RYB color 121, 172, 146 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 121, 172, 146 by changing the saturation by 10% instead.

121, 172, 146

255, 255, 255

174, 227, 200

201, 255, 226

229, 255, 229

121, 172, 146

96, 145, 120

72, 120, 96

49, 95, 73

27, 71, 50

2, 48, 24

0, 29, 29

0, 0, 0

121, 172, 146

104, 172, 137

121, 172, 146

138, 172, 155

87, 172, 129

69, 172, 119

52, 172, 111

35, 172, 102

18, 172, 94

1, 172, 85

0, 172, 84

155, 172, 163

172, 172, 173

181, 172, 190

189, 172, 207

198, 172, 224

206, 172, 241

214, 172, 255

223, 172, 255

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.

126, 176, 111

121, 172, 146

116, 158, 177

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.

121, 172, 146

100, 144, 212

216, 144, 158

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.

121, 172, 146

146, 121, 172

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.

203, 147, 185

121, 172, 146

139, 158, 216

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.

121, 172, 146

78, 132, 195

176, 155, 206

215, 151, 133

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.

121, 172, 146

96, 142, 178

176, 155, 206

214, 144, 167

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.

121, 172, 146

204, 224, 214

172, 170, 121

100, 112, 106

240, 240, 240

112, 112, 112

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.

121, 172, 146

144, 224, 183

121, 172, 171

78, 87, 83

0, 150, 73

0, 23, 11

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.

146, 121, 172

183, 144, 224

171, 121, 172

82, 78, 87

74, 0, 150

11, 0, 23

Previews

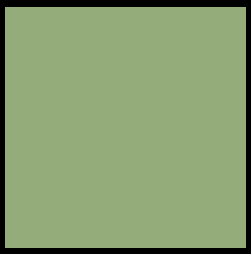
White Background

This preview shows how the RYB color 121, 172, 146 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

Black Background



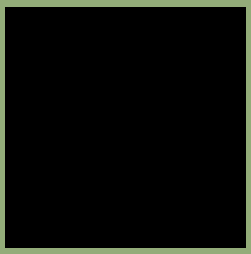
This preview shows how the RYB color 121, 172, 146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

RYB 121, 172, 146 Background



This preview shows how black text looks on a background with the RYB color 121, 172, 146.

This preview shows how white text looks on a background with the RYB color 121, 172, 146.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their article about color blindness.

Dichromacy

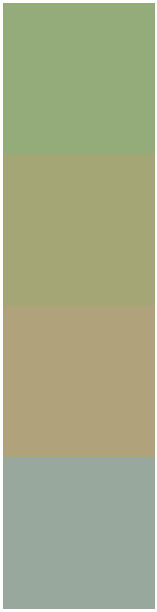
Original Color
121, 172, 146

Protanopia
134, 176, 117

Deuteranopia
192, 188, 124

Tritanopia
155, 162, 178

Trichromacy



Original Color
121, 172, 146

Protanomaly
118, 166, 119

Deuteranomaly
142, 176, 123

Tritanomaly
152, 164, 168

Monochromacy

Original Color
121, 172, 146

Achromatopsia
159, 159, 159

Achromatomaly
145, 164, 154

CSS Examples

Text

The CSS property to change the color of the text to RYB 121, 172, 146 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(147, 172, 121) looks like.

```
.text, #text, p{
    color:rgb(147, 172, 121)
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our CSS Text Shadow Generator.

Here you see how black text with a 4 pixel rgb(147, 172, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 172, 121) }
```

Border

The CSS property to change the border of an element to RYB 121, 172, 146 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 172, 121) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(147, 172, 121) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(147, 172, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 172, 121); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 172, 121); box-shadow:4px 4px 4px 4px rgb(147, 172, 121) }
```

Background

The CSS property to change the background color of an element to RYB 121, 172, 146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(147, 172, 121) }
```

If only the background color should be changed can be used:

```
.background{ background-color:rgb(147,
172, 121) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our online CSS compressor and optimizer based on csstidy. If you want to create a linear or radial gradient as background or border, check our CSS Gradient Generator.

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